

# POLE3 cDNA

Catalog Number: ATGD0377

## PRODUCT INFORMATION

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**Catalog number**

ATGD0377

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_059139.3

**Alternative Names**

CHARAC17, CHRAC17, p17, YBL1

**mRNA Refseq**

NM\_017443.4

**OMIM**

607267

**Chromosome location**

9q33

## PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

444bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
  2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

**POLE3 cDNA**

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POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner.

**DATA**

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**Sequence nucleotides**

```
ATGGCGGAGAGGCCCGAGGACCTAAACCTGCCCAATGCCGTGATCACCAGGATCATCAAGGAGGCGCTCCCGGACGGTGT
CAACATCTCCAAGGAGGCCCGGAGCGCCATCTCCCGCGCCGCCAGCGTCTTCGTGCTGTACGCCACATCCTGTGCTAACAA
CTTTGCAATGAAAGGAAAGCGGAAGACGCTGAATGCCAGTGATGTGCTCTCAGCCATGGAAGAGATGGAGTTCAGCGGTT
CGTTACCCCATTTGAAAGAAGCTCTGGAAGCATATAGGCGGGAGCAGAAAGGCAAGAAGGAGGCCTCAGAGCAAAAGAAGA
AGGACAAAGACAAAAAACAGACTCGGAAGAGCAAGACAAGAGCAGGGATGAGGACAATGATGAAGACGAAGAAAGGCTG
GAAGAAGAAGAACAGAATGAAGAGGAAGAAGTAGACAACCTGA
```

**Transaction Sequence**

```
MAERPDLNL PNAVITRIK EALPDGVNIS KEARSAISRA ASVFVLYATS CANNFAMKGKRKTLNASDVL SAMEEMEFQR
FVTPLKEALE AYRREQGKK EASEQKKKDK DKKTDSEEQDKSRDEDNDED EERLEEEEQN EEEVDN
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